

FIG.1

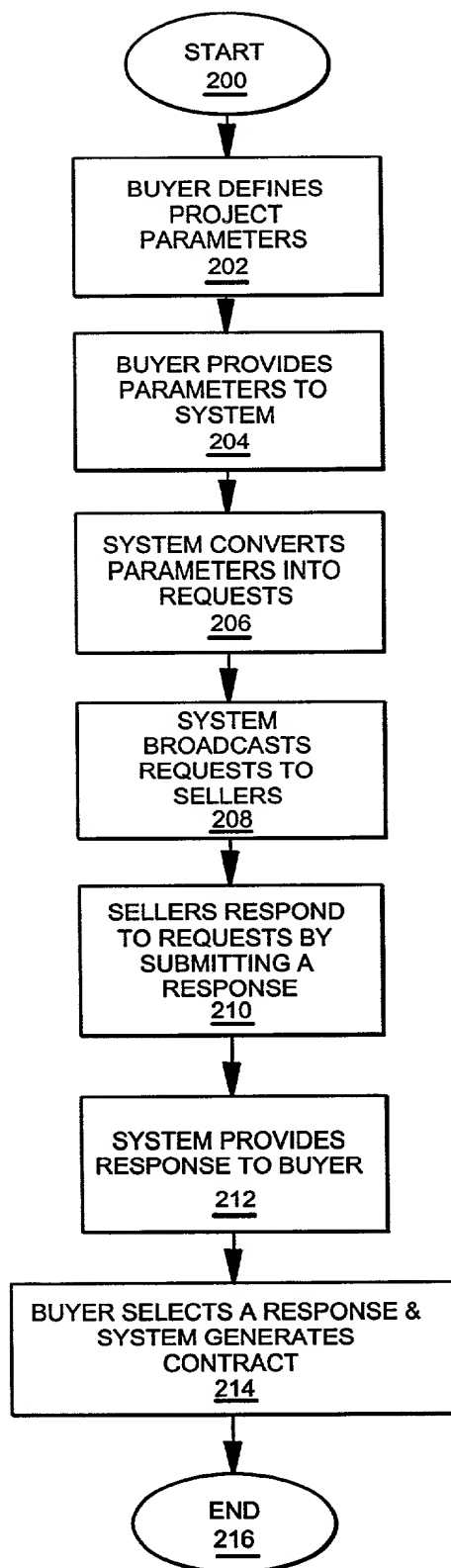
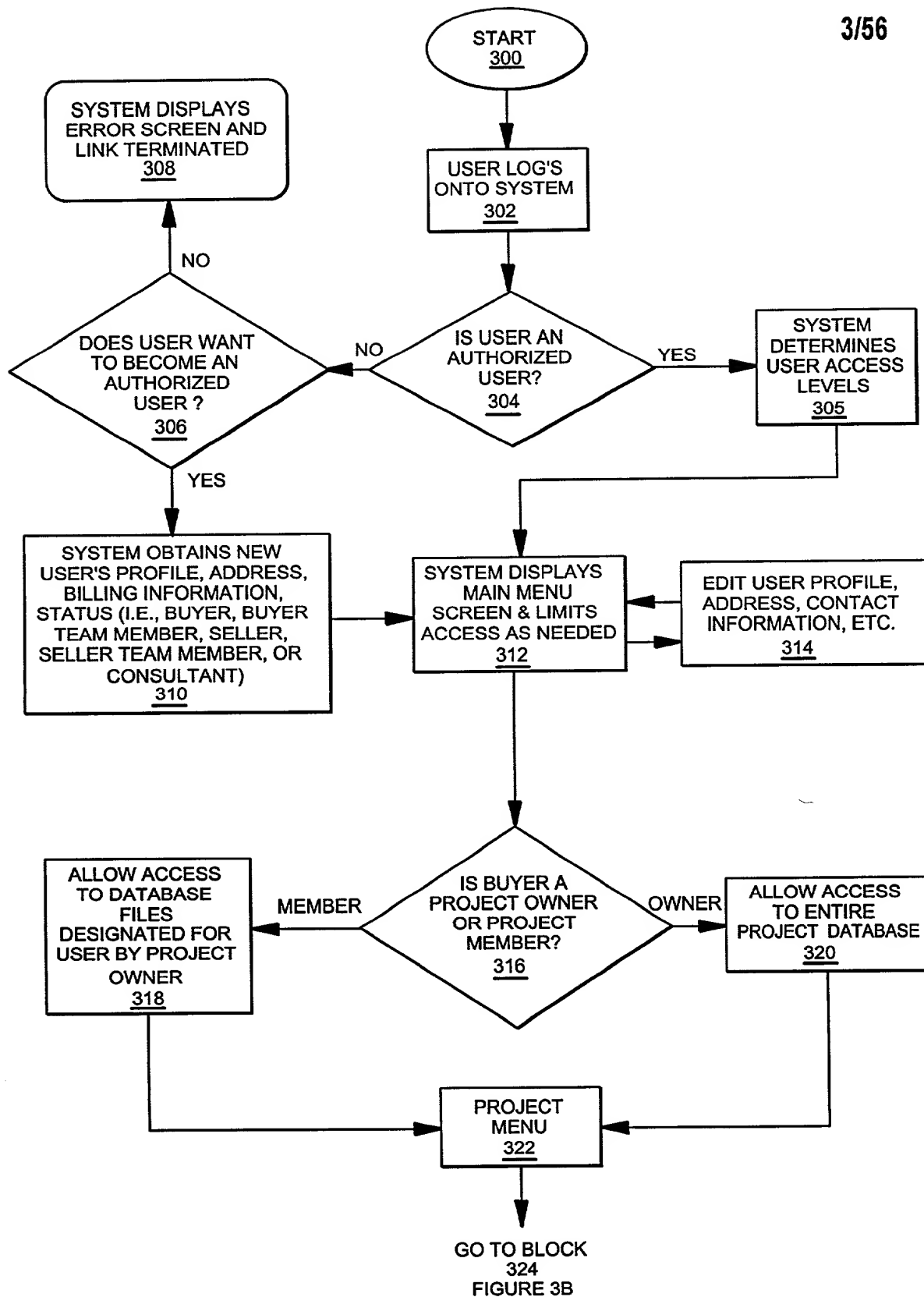


FIG.2



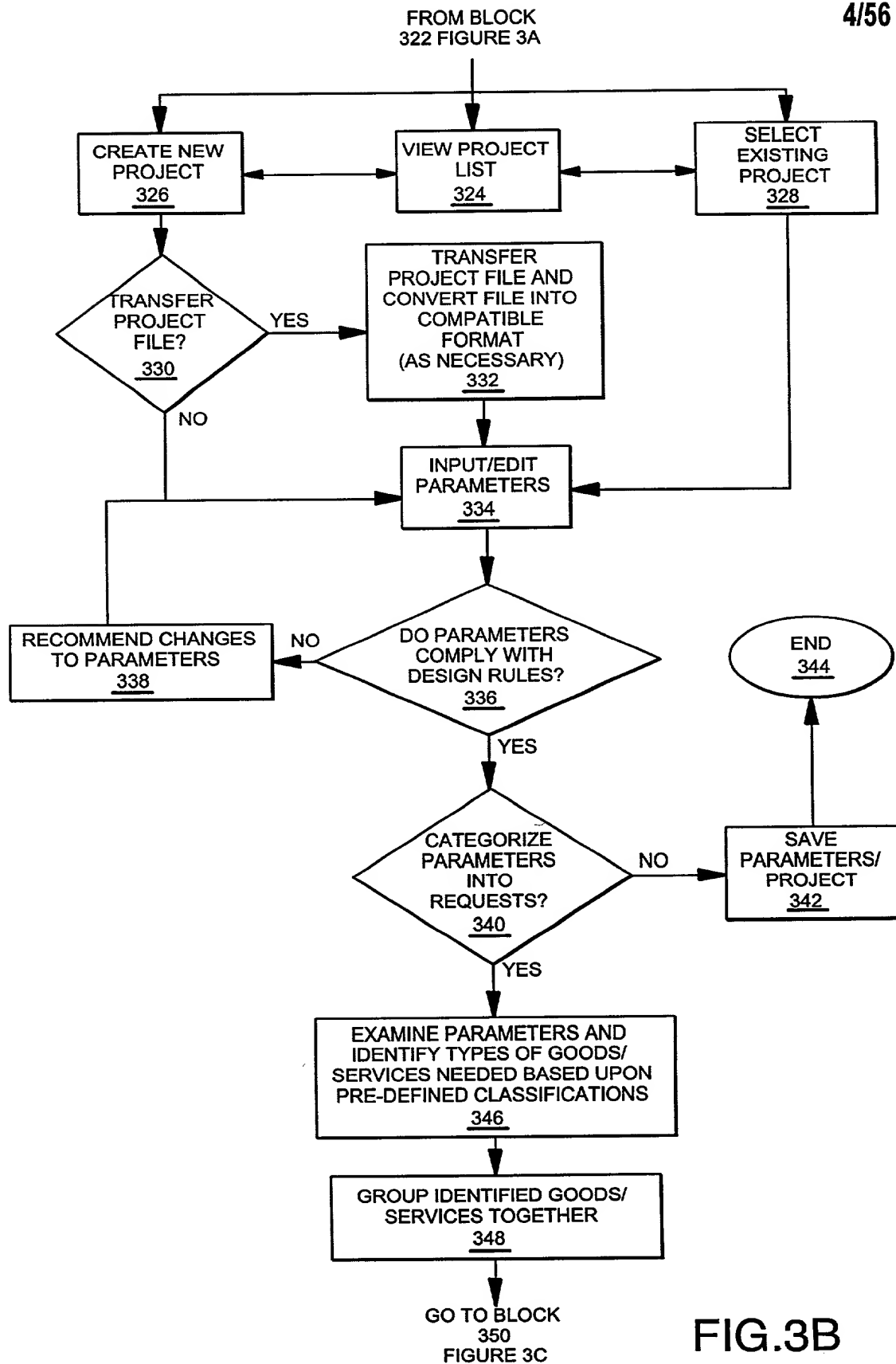


FIG.3B

FROM BLOCK 348
FIGURE 3B

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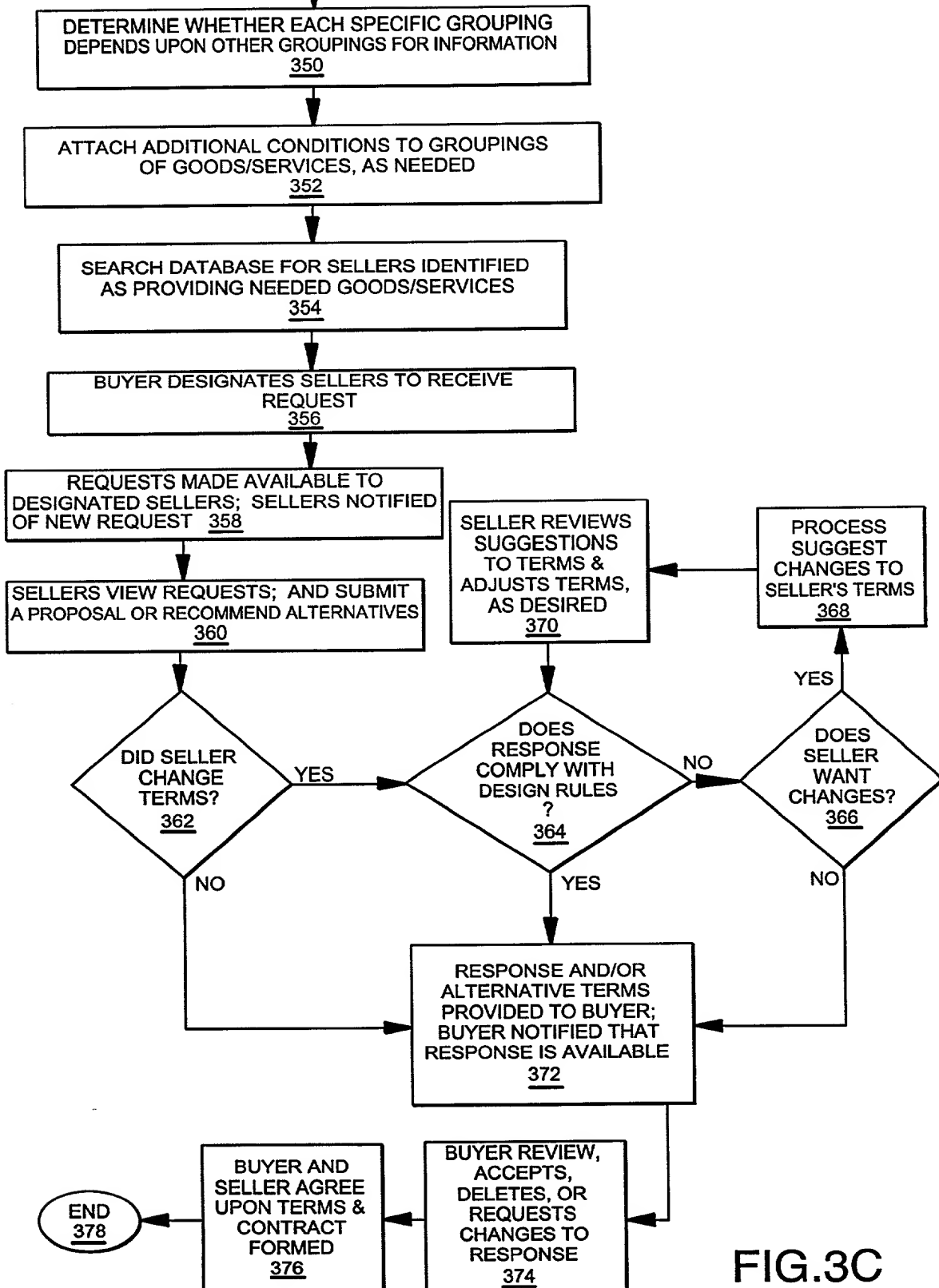


FIG.3C

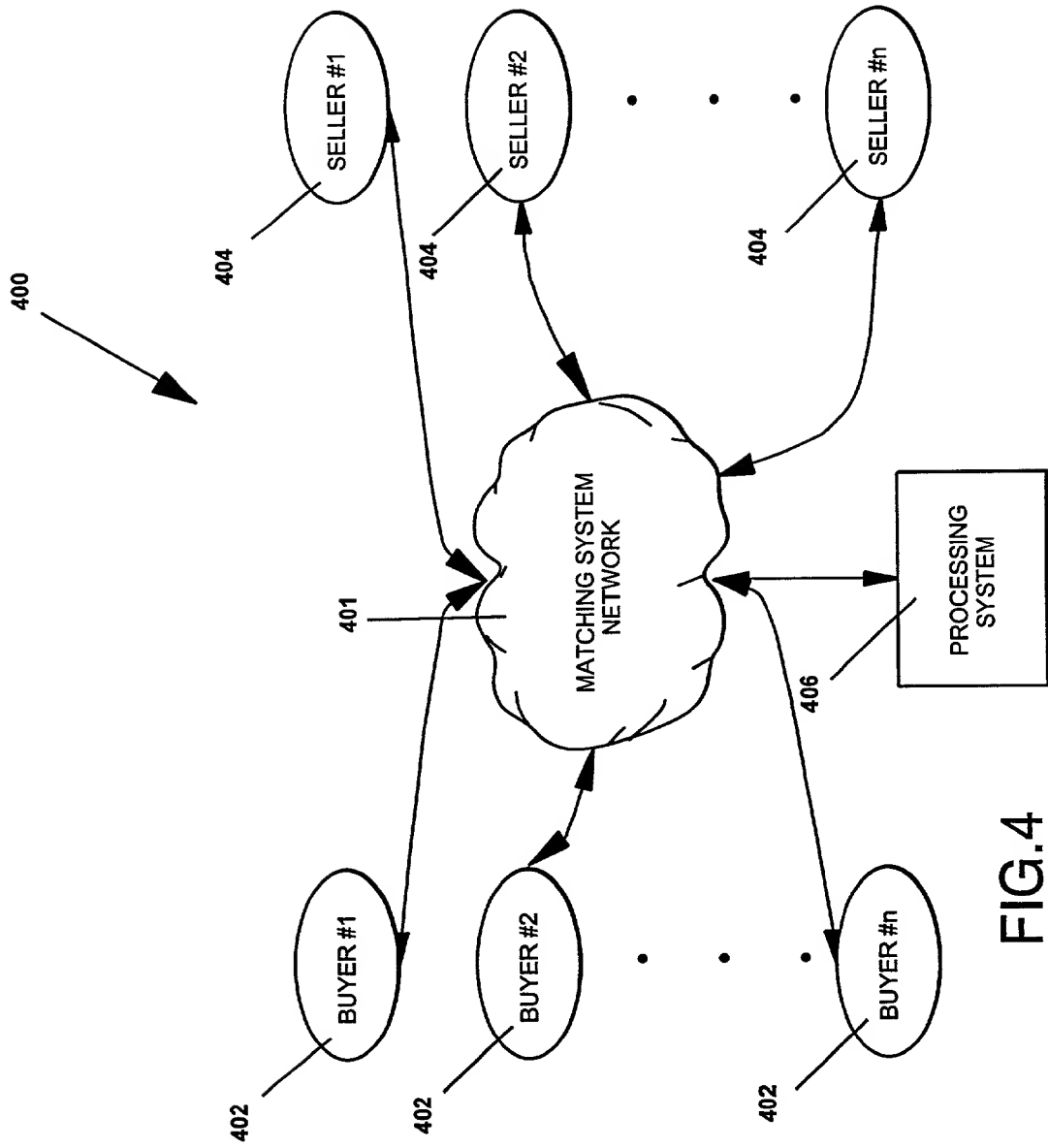


FIG. 4

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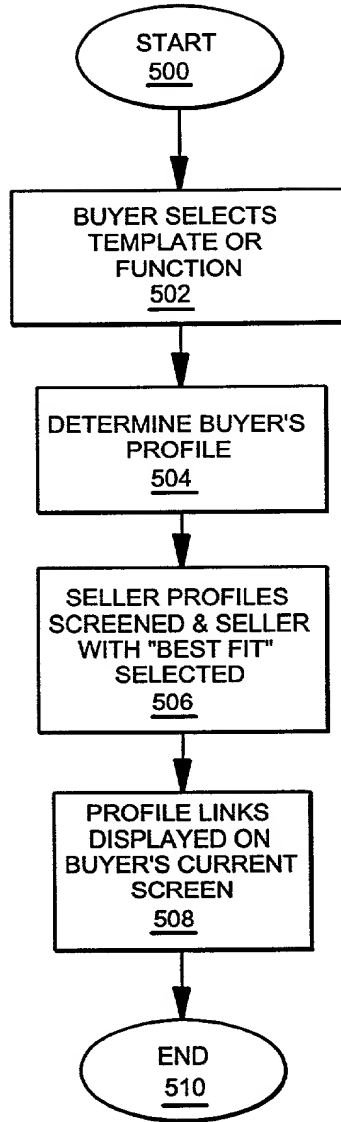


FIG.5

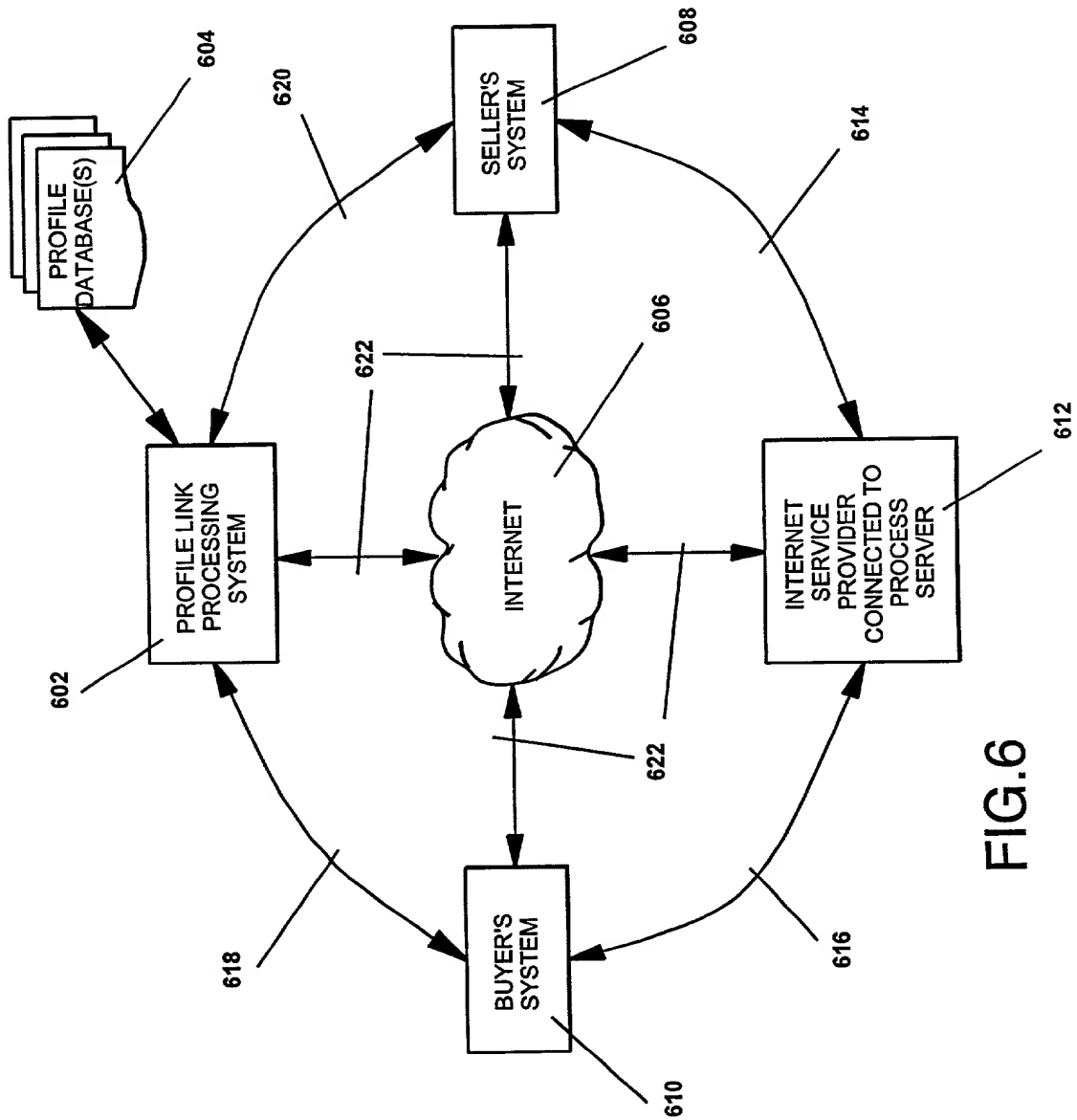
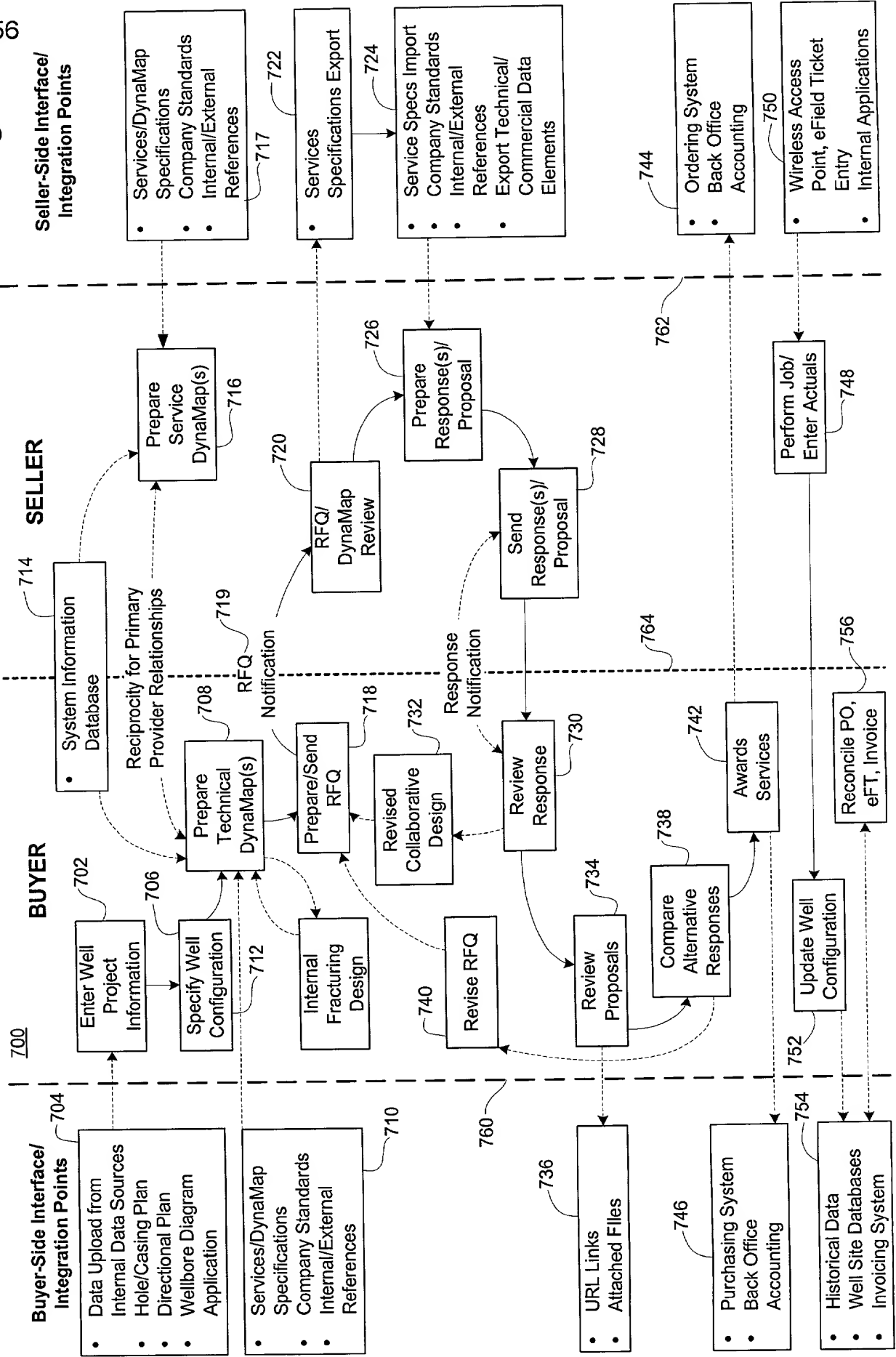


Fig. 7 9/56

System Overview and Interface/Integration Points



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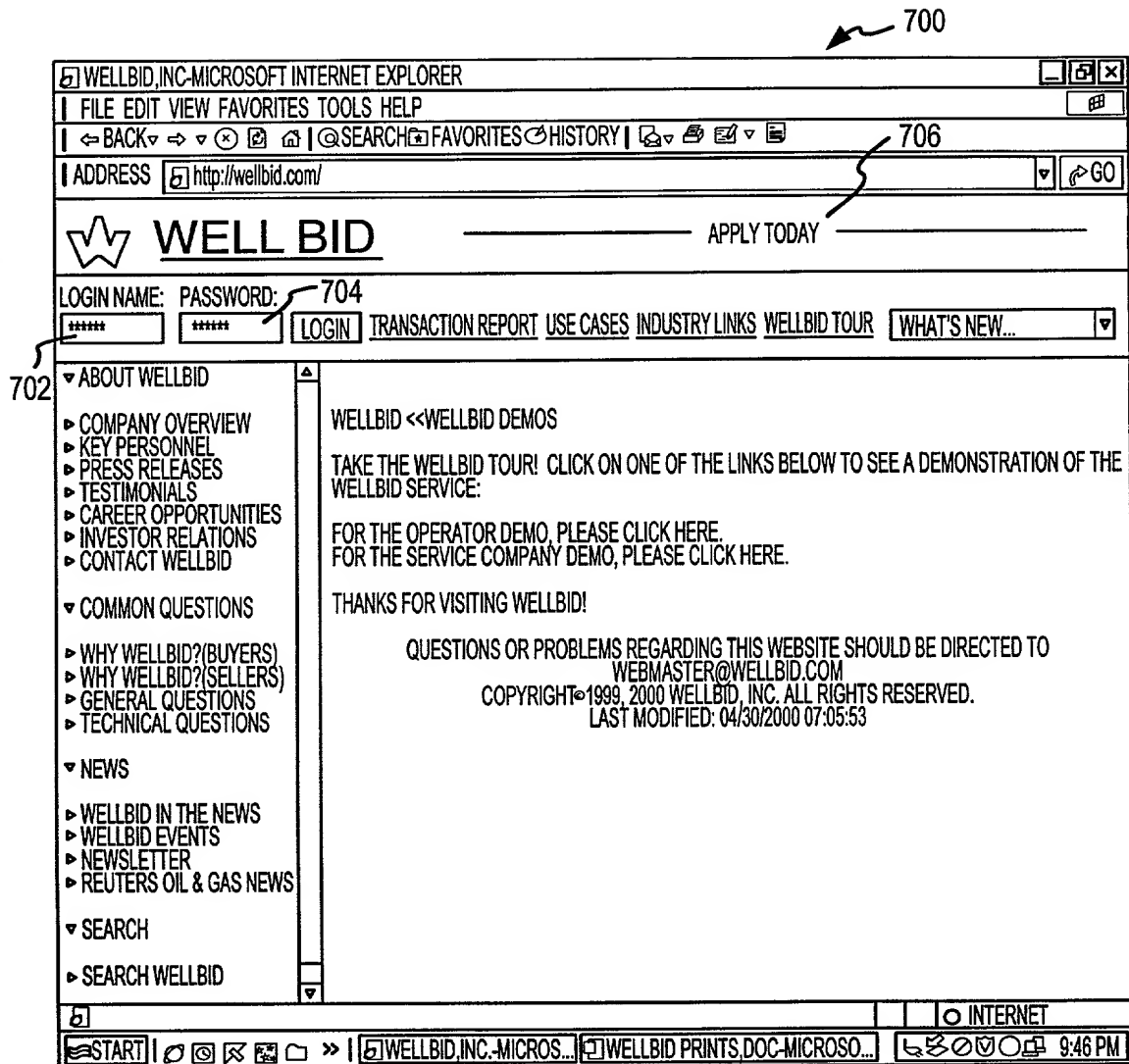


FIG.8A

800

WELLOGIX

USER PROFILE

PLEASE UPDATE YOUR PERSONAL PROFILE INFORMATION BELOW AND CLICK THE SAVE BUTTON

BID REQUEST SUMMARY

ALL PROJECTS LIST

PROFILE

USER PROFILE 802

PROJECTS

FIND A CONSULTANT

GIVE US FEEDBACK

LOGOUT

PREFIX:

FIRST:

MIDDLE INITIAL:

LAST:

LOGIN:

PASSWORD:

TITLE:

EMAIL ADDRESS:

REGION & BASIN:
CANADA-BRITISH COLUMBIA

SPE NUMBER:

LAST DEGREE:

YEAR GRADUATED:

SPECIALTY:

NOTIFICATION PREFERENCE:

804

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FIG.8B

830

ePerseus - Project Point Interest

File Edit View Insert Format Records Tools Window Help

Joint Interest Partner Maintenance

APE Number	Partner Client Number	Owner Name / Contact Name	Interest Percent	Phone No.	Email Address
836	1002	XVZ Operating	49.00%		
832					
838					
834					

New Page

Form View

Start | Ameri... | Inbox | Marks... | Story... | Evers... | Logn... | Proje... | 9:15 AM

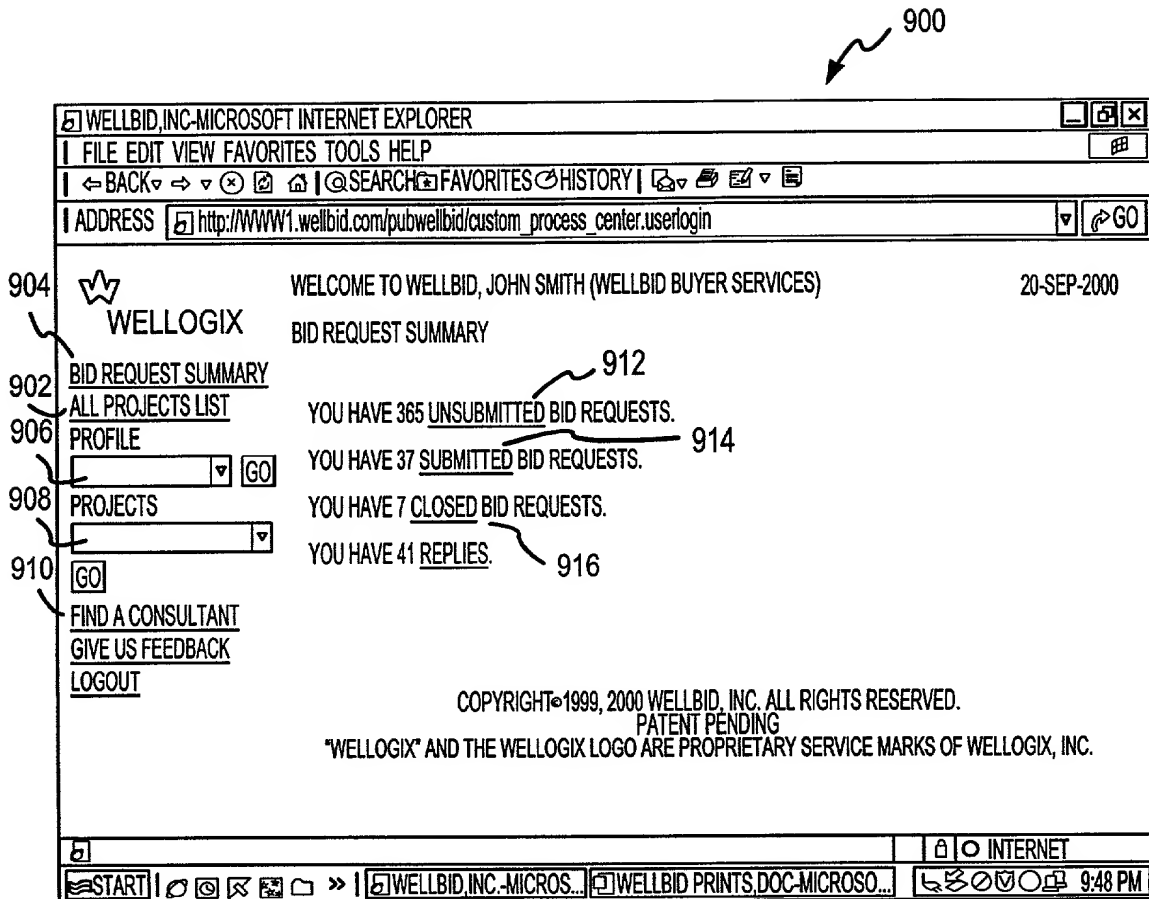


FIG.9A

Fig. 9B

920

eNersection - [Service Categories]

File Edit View Insert Format Records Tools Window Help

New Services

eNersection.com Technical Messaging

Conversation: Service Linked From

Industry Members

Company	Member	Online
BJ Services	John Doe	Yes
BPAmerica	Bob Smith	Yes
Halliburton	Jane Doe	Yes
Marathon	John Glenn	Yes
Texaco	Billy Bob	Yes
TotalFINA	Jacques Cousteau	No

924

Question/Response:

Company Members

Member	Online
Client User Name 1	Yes
Client User Name 2	No
Client User Name 3	Yes

928

Send

926

Form View

Start [Icons] Ameri... Inbox... Marke... Story... eNers... Login... Servi... 9:16 AM

1000

WELLOGIX

NEW BID REQUEST AND DETAILS SUMMARY
1002

1022

CREATED	PROJECT NAME	WELL NAME	HOLE SECTION NAME	REQUEST/DETAIL TYPE
28-APR-00	SOUTH PASS 68			RIG SPECIFICATION-DRILL SHIP
28-APR-00	SOUTH PASS 68			RIG SPECIFICATION-INLAND BARGE
01-SEP-00	SOUTH PASS 68			CASING
22-JUN-00	DWT 700			RIG SPECIFICATION-DRILL SHIP
22-JUN-00	DWT 700			RIG SPECIFICATION-INLAND BARGE
22-JUN-00	DWT 700			RIG SPECIFICATION-JACK-UP
22-JUN-00	DWT 700			RIG SPECIFICATION-PLATFORM
22-JUN-00	DWT 700			RIG SPECIFICATION-SEMI-SUBMERSIBLE
22-JUN-00	DWT 700			RIG SPECIFICATION-SUBMERSIBLE
16-AUG-00	DWT 700	ST 384 #1		WELLHEAD
21-AUG-00	YR2000 TENSLEEP PROI	ST 384 #1-1		WELLHEAD
21-AUG-00	TEST	ST 384-SS #2-1		FORMATION EVALUATION (QH/QH) AND WIRELINE SERVICES
26-APR-00	YR2000 TENSLEEP PROI	DS5-15		RENTAL EQUIPMENT
18-MAY-00	SOUTH PASS 68	A-33		WELLHEAD
18-MAY-00	SOUTH PASS 68	A-33		SIMULATION
18-MAY-	SOUTH PASS 68	A-33		RIG

BID REQUEST SUMMARY
ALL PROJECTS LIST
PROFILE
USER PROFILE [v] [GO]
PROJECTS
[v]
[GO]
FIND A CONSULTANT
GIVE US FEEDBACK
LOGOUT

FIG.10A

1004

WELLOGIX

[BID REQUEST SUMMARY](#)

[ALL PROJECTS LIST](#)

[PROFILE](#)

[PROJECTS](#)

[SOUTH PASS 68](#)

[GO](#)

[PROJECT REQUEST](#)

[WELLS](#)

[FIND A CONSULTANT](#)

[GIVE US FEEDBACK](#)

[LOGOUT](#)

ALL PROJECTS LIST > SOUTH PASS 68-OFFSHORE PROJECT DETAILS

PROJECT NAME	SOUTH PASS 68
PROJECT DESCRIPTION	DEVELOPMENT DRILLING PROGRAM FOR YEAR 2000
COUNTRY	UNITED STATES
REGION-BASIN	GOM-GULF COAST SALT DOME
STATE/PROVINCE	LOUISIANA
ACREAGE OWNERSHIP	OCSG
ESTIMATED START DATE	15-SEP-2000
ESTIMATED PROJECT DURATION	180 DAYS
UNITS OF MEASURE	ENGLISH
LOCATION OF SHORE BASE	
COUNTRY	UNITED STATES
STATE/PROVINCE	LOUISIANA
CITY OR TOWN	VENICE
DISTANCE TO PROJECT LOCATION	20 MILES
AVG WATER DEPTH@PROJECT LOCATION	105 FT
PLATFORM FOR OPERATIONS	PLATFORM
SCOPE OF PROJECT	DRILL 3 DIRECTIONAL WELLS TO PENETRATE MULTIPLE HORIZONS AROUND THE XX SALT DOME.


[EDIT/UPDATE PROJECT DETAIL](#)
[ADD WELL TO PROJECT](#)
[VIEW PROJECT USERS](#)
[VIEW WELLS FOR PROJE](#)

FIG.10B

1014

ALL PROJECTS LIST>SOUTH PASS 68>OFFSHORE PROJECT USERS

1016

 **WELLOGIX**

[BID REQUEST SUMMARY](#)

[ALL PROJECTS LIST](#)

[PROFILE](#)

[PROJECTS](#)

[PROJECT REQUEST](#)

[WELLS](#)

[FIND A CONSULTANT](#)

[GIVE US FEEDBACK](#)

[LOGOUT](#)

PROJECT USERS

NAME	EMAIL	PHONE	PROJECT ROLE
JOHN SMITH(TECH)	INFO@WELLBID.COM	(303)300-3520	OWNER

ADD A USER TO THIS PROJECT

USER	ROLE
<input type="text" value="BP AMOCO(BPAMOCO)"/>	<input type="text" value="USER"/>
<div style="border: 1px solid black; padding: 2px;"><div style="display: flex; justify-content: space-between;"><div style="width: 40%;"><p>MARK (TESTING)</p><p>LORNE (LBARTLEY)</p><p>WALTER (WBLISS)</p><p>DANE (BDANE)</p><p>ELIOT (COOPER)</p><p>SCOTT (SCOPE)</p><p>JIM (DANE)</p><p>JACK (JDOAK)</p><p>JOHN (BDEMO)</p><p>ALEX (IRINA)</p></div><div style="width: 60%;"><p>1018</p><p>1020</p></div></div></div>	

FIG.10C

1024

WELLOGIX

[BID REQUEST SUMMARY](#)
[ALL PROJECTS LIST](#)
[PROFILE](#)
[USER PROFILE](#)
[PROJECTS](#)
[SOUTH PASS 68](#)

[PROJECT REQUEST](#)
[WELLS](#)
[FIND A CONSULTANT](#)
[GIVE US FEEDBACK](#)
[LOGOUT](#)

REQUEST MANAGER

COVER INFO:

STATUS	NOT SUBMITTED
BID REQUEST	RIG SPECIFICATION-DRILL SHIP
REQUEST FOR	
DUE DATE	
COMMENTS	
FILE ATTACHMENTS	NO FILE ATTACHED

LIST OF DETAILS

DETAIL NO	RIG SPECIFICATION-DRILL SHIP	
17	DRAFT	...

VENDOR STATUS

THE VENDOR LIST IS EMPTY BECAUSE THIS BID REQUEST HAS NOT BEEN SUBMITTED YET.

FIG.10D

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1030

WELLOGIX 1032

BID REQUEST SUMMARY
ALL PROJECTS LIST
PROFILE
[] [GO]

PROJECTS
YR2000 TENSLEEP PRQ []
[GO] 1034

PROJECT REQUEST
WELLS
DS5-15 [] [GO]
DETAILS
HOLE SECTIONS
[]
[GO]
FIND A CONSULTANT
GIVE US FEEDBACK
LOGOUT

SELECT A FEATURED VENDOR OR SUGGEST A VENDOR

PREFER	COMPANY NAME	SALES PERSON
<input type="checkbox"/>	BLACK WARRIOR WIRELINE CORP.	MARK ROBERTS
<input type="checkbox"/>	BLACK WARRIOR WIRLINE CORP.	BOB MINYARD
<input type="checkbox"/>	CARDINAL SURVEYS COMPANY	CHARLIE NEWSOM

CH LOGGING (INCLUDING FORMATION/PRODUCTION LOGGING) & WL SERVICES

REQUIREMENT NEEDS		
CEMENT EVALUATION	YES []	E-LINE []
PRODUCTION AND LOGGING	NO []	[] []
FORMATION EVALUATION	NO []	[] []
CASING/TUBING INSPECTION	NO []	[] []
TIE IN RUNS	NO []	[] []
SET PACKERS/BP PLUGS	NO []	[] []
CLEANOUT FILL	NO []	[] []

LOGGING TOOLS/SERVICES REQUIRED	FROM MD,FT	TO MD,FT
CASING COLLAR LOCATOR(CCL)	YES []	13294 12100
GAMMA RAY(GR)	YES []	13294 12100
TEMPERATURE	YES []	13294 12100
CEMENT BOND	YES []	13294 12100

DEPTH OF MAX HOLE ANGLE MD, FT 3500

LOGGING THRU CASING OR TUBING? CASING []

CASING/TUBING	OD SIZE, IN	WEIGHT, LBM/FT	ID SIZE(DRIFT), IN	TOP,MD-FT	BOTTOM,MD-FT	MINIMUM ID IN STRING, IN	DEPTH OF MIN ID, FT
	4.5	12.6	3.875	12033	13294	3.875	
	7	29	6.059	0	12183	6.059	

ADD MORE LINES

COMMENTS

NEED TO EVALUATE A CEMENT JOB ACROSS A 4 1/2" LINER. MAX ANGLE OF WELL AND TANGENT SECTION OF WELL IS 43 DEGREES.

1036 [SAVE FINAL] [SAVE DRAFT] [CANCEL] [DELETE] [RESET]

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FIG.10E

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WELLOGIX

(REQUEST #3754) CH LOGGING & WL SERVICES

BID REQUEST SUMMARY

ALL PROJECTS LIST

PROFILE

PROJECTS

YR2000 TENSLEEP PRO

PROJECT REQUEST

WELLS

DS5-15

DETAILS

HOLE SECTIONS

FIND A CONSULTANT

GIVE US FEEDBACK

LOGOUT

REQUEST TYPE: AFE ESTIMATE

REPLY BY: 01-JUL-00

REQUESTED BY:	JOHN SMITH	OFFICE PHONE:	
TITLE:	GLOBAL DRILLING ENGINEER	FAX:	
COMPANY NAME:	BUYER SERVICES	E-MAIL:	
MAILING ADDRESS:	ADDRESS DENVER CO 80222	REGION & BASIN:	ROCKIES-BIG HORN

PROJECT NAME:	YR2000 TENSLEEP PRO
REGION & BASIN:	ROCKIES-BIG HORN
COUNTRY:	USA

WELL NAME:	DS5-15
WELL DESCRIPTION:	NEW TENSLEEP PRODUCER

TD MD, FT	13294
TD TYD, FT	10729
BHST DEG, F	250
WELLBORE FLUID WHILE LOGGING	BRINE
AVERAGE HOLE ANGLE, DEG	43
MAX HOLE ANGLE, DEG	43
DEPTH OF MAX HOLE ANGLE MD, FT	3500
LOGGING THRU CASING OR TUBING?	CASING

CASING/TUBING							
OD SIZE, IN	WEIGHT, LBM/FT	ID SIZE(DRIFT), IN	TOP, MD-FT	BOTTOM, MD-FT	MINIMUM ID IN STRING, IN	DEPTH OF MIN ID, FT	TUBING TAIL DEPTH, FT
4.5	12.6	3.875	12033	13294	3.875		
7	29	6.059	0	12183	6.059		

COMMENTS

NEED TO EVALUATE A CEMENT JOB ACROSS A 4 1/2" LINER. MAX ANGLE OF WELL AND TANGENT SECTION OF WELL IS 43 DEGREES.

1042

CATEGORY ATTACHMENTS:

CASING SUMMARY
TUBING SUMMARY

FILE ATTACHMENTS:
NO FILE ATTACHED

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FIG.10F

 1100


WELLOGIX

CLOSED BID REQUEST AND DETAILS SUMMARY

BID REQUEST SUMMARYALL PROJECTS LISTPROFILE

PROJECTS

PROJECT REQUESTWELLS

FIND A CONSULTANTGIVE US FEEDBACKLOGOUT

CREATED	PROJECT NAME	WELL NAME	HOLE SECTION NAME	REQUEST/DETAIL TYPE
17-MAY-00	YR2000-TENSLEEP PROJ			CASING
15-JUN-00	DWT 700	ST 384#1		FORMATION EVALUATION (OH/CH) AND WIRELINE SERVICES
26-APR-00	YR2000-TENSLEEP PROJ	DS5-15		PUMPING UNIT
26-APR-00	YR2000-TENSLEEP PROJ	DS5-15		CH LOGGING & WL SERVICES
20-JUN-00	YR2000-TENSLEEP PROJ	DS5-15		FORMATION EVALUATION (OH/CH) AND WIRELINE SERVICES
26-APR-00	YR2000-TENSLEEP PROJ	DS5-15		REMEDIAL CEMENTING
26-APR-00	YR2000-TENSLEEP PROJ	DS5-15	PRODUCTION	OPEN HOLE LOGGING

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FIG.11

1200



WELLOGIX

REPLIES TO BID REQUESTS

BID REQUEST SUMMARY

ALL PROJECTS LIST

PROFILE

PROJECTS

GO

FIND A CONSULTANT

GIVE US FEEDBACK

LOGOUT

PROJECT NAME	WELL NAME	HOLE SECTION NAME	REQUEST/DETAIL TYPE	VENDOR	INTERESTED	FEEDBACK	RESPONSE DATE
YR2000 TENSLEEP PROJ			CASING	JOHN DOE	YES	YES	29-MAY-2000
YR2000 TENSLEEP PROJ	DS5-15		TUBING	JOHN DOE	YES	YES	26-MAY-2000
YR2000 TENSLEEP PROJ	DS5-15		CH LOGGING & WL SERVICES	JOHN DOE	YES	YES	29-MAY-2000
YR2000 TENSLEEP PROJ	DS5-15		COMPLETION PACKERS	JOHN DOE	YES	YES	26-MAY-2000
YR2000 TENSLEEP PROJ	DS5-15		ISOLATION TOOLS-BRIDGE PLUGS	JOHN DOE	YES	YES	26-MAY-2000
YR2000 TENSLEEP PROJ	DS5-15		ISOLATION TOOLS-RETRIEVABLE PACKERS	JOHN DOE	YES	YES	26-MAY-2000
YR2000 TENSLEEP PROJ	DS5-15		LOCATION	JOHN DOE	YES	YES	26-MAY-2000
YR2000 TENSLEEP PROJ	DS5-15		PUMPING UNIT	JOHN DOE	YES	YES	26-MAY-2000
YR2000 TENSLEEP PROJ	DS5-15		RAT/MOUSE HOLE	JOHN DOE	YES	YES	26-MAY-2000

1210



WELLOGIX

VENDOR INFO

[BID REQUEST SUMMARY](#)

[ALL PROJECTS LIST](#)

[PROFILE](#)

[PROJECTS](#)

REPLIED BY:	JOHN DOE	OFFICE PHONE:	303 300 3520
TITLE:		FAX:	UNKNOWN
COMPANY NAME:	WELLBID VENDOR SERVICES	E-MAIL:	HURST@WELLBID.COM
MAILING ADDRESS:	4155 EAST JEWELL AVE. STE. 225 DENVER CO 80222	REGION & BASIN:	GOM-GULF COAST SALT DOME GOM-RIO GRANDE EMBAYMENT GULF STATES-SOUTH LOUISIANA ROCKIES-BIG HORN

[FIND A CONSULTANT](#)

[GIVE US FEEDBACK](#)

[LOGOUT](#)

[BACK](#)

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FIG.12B



WELLOGIX

[BID REQUEST SUMMARY](#)[ALL PROJECTS LIST](#)[PROFILE](#)

[PROJECTS](#)
[YR2000 TENSLEEP PROJ](#)
[PROJECT REQUEST](#)[WELLS](#)

[FIND A CONSULTANT](#)[GIVE US FEEDBACK](#)[LOGOUT](#)

VENDOR FEEDBACK

PROJECT NAME	WELL NAME	HOLE SECTION NAME	BID REQUEST/DETAIL TYPE CASING	VENDOR	RESPONSE DATE
YR2000 TENSLEEP PROJ				JOHN DOE	29-MAY-2000

COMMENTS:

WHERE DO YOU WANT THIS TO BE DELIVERED?

1214

1212

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FIG.12C

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ALL PROJECTS

1300

VIEW PROJECTS BY ESTIMATED START DATE [01]

SEQUENCE	NAME	REGION-BASIN	COUNTRY	STATUS	YOUR ROLE
1	YR2000 TENSLEEP PROJ	ROCKIES-BIG HORN	UNITED STATES	NEW	OWNER
2	SOUTH PASS 68	GOM-GULF COAST SALT DOME	UNITED STATES	NEW	OWNER
3	DWT 700	GOM-RIO GRANDE EMBAYMENT	UNITED STATES	NEW	OWNER
4	NAME YOUR PROJECT	GOM-GULF COAST SALT DOME	UNITED STATES	NEW	OWNER
5	TEST	GOM-RIO GRANDE EMBAYMENT	UNITED STATES	NEW	OWNER
6	FRED			NEW	OWNER
7	JTK PROJECT	ROCKIES-DENVER-JULESBURG	UNITED STATES	NEW	OWNER
8	NAME YOUR PROJECT			NEW	OWNER
9	JOHN'S PROJECT	ROCKIES-BIG HORN	UNITED STATES	NEW	OWNER

CREATE ONSHORE PROJECT

CREATE OFFSHORE PROJECT

1304


1302

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FIG.13

1400

**WELLOGIX**

[BID REQUEST SUMMARY](#)
[ALL PROJECTS LIST](#)
[PROFILE](#)
[GO](#)
[PROJECTS](#)
[NAME YOUR PROJECT](#)
[GO](#)
[PROJECT REQUEST](#)
[WELLS](#)
[GO](#)
[DETAILS](#)
[FIND A CONSULTANT](#)
[GIVE US FEEDBACK](#)
[LOGOUT](#)

[ALL PROJECTS LIST](#)>[NAME YOUR PROJECT](#)>[ONSHORE PROJECT DETAILS](#)

PLEASE UPDATE THE PROJECT DETAILS AND CLICK THE SAVE BUTTON

PROJECT NAME:	<input type="text" value="JOHN'S PROJECT"/>
DESCRIPTION:	<input type="text" value="DEMO OF SOFTWARE"/>
COUNTRY:	<input type="text" value="UNITED STATES"/>
REGION AND BASIN:	<input type="text" value="ROCKIES-BIG HORN"/>
ESTIMATED START DATE:	<input type="text" value="9/20/00"/>
UNITS OF MEASURE:	<input type="text" value="ENGLISH"/>
NUMBER OF RIGS:	<input type="text" value="1"/>

FIG.14A



WELLOGIX

ALL PROJECTS LIST > JOHN'S PROJECT-ONSHORE PROJECT DETAILS

1400

[BID REQUEST SUMMARY](#)[ALL PROJECTS LIST](#)[PROFILE](#) [PROJECTS](#)[JOHN'S PROJECT](#) [PROJECT REQUEST](#)[WELLS](#) [DETAILS](#)[FIND A CONSULTANT](#)[GIVE US FEEDBACK](#)[LOGOUT](#)

PROJECT NAME:	JOHN'S PROJECT
PROJECT DESCRIPTION:	DEMO OF SOFTWARE
NUMBER OF DEVELOPMENT WELLS:	0
NUMBER OF EXPLORATORY WELLS:	0
NO. OF RIGS REQUIRED IN PROJECT:	1
NUMBER OF PROJECT REQUESTS:	0
COUNTRY:	UNITED STATES
REGION & BASIN:	ROCKIES-BIG HORN
ESTIMATED PROJECT START DATE:	24-SEP-00
UNITS OF MEASURE:	ENGLISH

1406

1408

1410

EDIT/UPDATE PROJECT PROFILE	ADD WELL TO PROJECT	VIEW PROJECT USERS	VIEW WELLS FOR PROJECT
---	-------------------------------------	------------------------------------	--

1404

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FIG.14B



WELLOGIX

[BID REQUEST SUMMARY](#)[ALL PROJECTS LIST](#)[PROFILE](#)

[PROJECTS](#)

[PROJECT REQUEST](#)[WELLS](#)

[FIND A CONSULTANT](#)[GIVE US FEEDBACK](#)[LOGOUT](#)

WELL NAME	<input type="text" value="NEW WELL"/>
WELL DESCRIPTION	<input type="text"/>
EST SPUD/START DATE	<input type="text"/>
WELL API NUMBER	<input type="text"/>
WELL TYPE	<input type="text" value="EXISTING"/>
REGION/BASIN	<input type="text"/>
STATE/PROVINCE	<input type="text"/>
COUNTRY	<input type="text"/>
FIELD NAME	<input type="text"/>

1412

BLOCK	<input type="text"/>
SURVEY	<input type="text"/>
ABSTRACT	<input type="text"/>

1413

	FT	FT	SEC	TOWNSHIP	RANGE	ELEVATION, FT
SURFACE HOLE LOCATION	<input type="text" value="FNL"/>	<input type="text" value="FEL"/>	<input type="text"/>	<input type="text" value="N"/>	<input type="text" value="E"/>	<input type="text"/>

WELL LOCATION, MILES	<input type="text" value="N"/>
OF (NEAREST TOWN/CITY)	<input type="text"/>

<input type="button" value="SAVE"/>	<input type="button" value="CANCEL"/>	<input type="button" value="DELETE"/>	<input type="button" value="RESET"/>
-------------------------------------	---------------------------------------	---------------------------------------	--------------------------------------

FIG.14C

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WELLOGIX

ALL PROJECTS LIST>JOHN'S PROJECT>NEW WELL2-WELL SUMMARY

1414

BID REQUEST SUMMARY

ALL PROJECTS LIST

PROFILE

PROJECTS

JOHN'S PROJECT

PROJECT REQUEST

WELLS

NEW WELL2

DETAILS

HOLE SECTIONS

FIND A CONSULTANT

GIVE US FEEDBACK

LOGOUT

1416

PROJECT NAME	JOHN'S PROJECT
WELL NAME	NEW WELL2
WELL DESCRIPTION	TEST
EST SPUD/START DATE	
WELL API NUMBER	
WELL TYPE	EXISTING
REGION/BASIN	ROCKIES-DENVER-JULESBURG
COUNTY	
STATE/PROVINCE	COLORADO
FIELD	
BLOCK	
SURVEY	
ABSTRACT	
SURFACE HOLE LOCATION	
WELL LOCATION IS (MILES)	12N
OF (NEAREST TOWN/CITY)	DENVER

EDIT/UPDATE WELL DETAIL

VIEW BID REQUESTS

1420

WELL DESCRIPTION/HISTORY

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FIG.14D



WELLOGIX

[BID REQUEST SUMMARY](#)[ALL PROJECTS LIST](#)[PROFILE](#)

[PROJECTS](#)

[PROJECT REQUEST](#)[WELLS](#)

[DETAILS](#)[HOLE SECTIONS](#)

[FIND A CONSULTANT](#)[GIVE US FEEDBACK](#)[LOGOUT](#)

HOLE SECTION DETAILS

PLEASE UPDATE THE HOLE SECTION DETAILS AND CLICK THE SAVE BUTTON.

NAME: DESCRIPTION: HOLE DIAMETER, IN.: CASING DIAMETER, IN.: TOP MD, FT.: BOTTOM MD, FT.: TOP TVD, FT.: BOTTOM TVD, FT.:


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FIG.14E

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WELLOGIX

[BID REQUEST SUMMARY](#)

[ALL PROJECTS LIST](#)

[PROFILE](#)

[PROJECTS](#)

[PROJECT REQUEST](#)

[WELLS](#)

[DETAILS](#)

[HOLE SECTIONS](#)

[FIND A CONSULTANT](#)

[GIVE US FEEDBACK](#)

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ALL PROJECTS LIST>JOHN'S PROJECT>NEW WELL2>WELL SUMMARY

WELL TYPE	EXISTING <input type="button" value="v"/>	INVENTORY <input type="button" value="v"/>	GAS <input type="button" value="v"/>	BUILD & HOLD <input type="button" value="v"/>	CURRENT WELL SPACING?	360 ACRES <input type="button" value="v"/>
-----------	---	--	--------------------------------------	---	-----------------------	--

WELL STATUS

CURRENT PRODUCTION/INJECTION DATA

DATE OF LAST PRODUCTION	OIL RATE, BOPD	GAS RATE, MCFD	WATER RATE, BWPD	OIL API GRAVITY	GAS, SG
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

INITIAL PRODUCTION/INJECTION DATA

DATE OF INITIAL PROD/INJ.	OIL RATE, BOPD	GAS RATE, MCFD	WATER RATE, BWPD	OIL API GRAVITY	GAS, SG
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

WELLBORE MECHANICS

CASING/TUBING SIZE OD,IN	WEIGHT LB _M /FT	GRADE	THREADS	TOP MD, FT	BOTTOM MD, FT	TOP TVD, FT	BOTTOM TVD, FT
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>


PACKER(S) IN WELL? **NO. OF PACKERS**

PACKER TYPE	PACKER DEPTH MD,FT	PACKER DEPTH TVD,FT
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

PERFORATION INTERVALS IN WELL

TOP MD, FT	BOTTOM MD, FT	TOP TVD, FT	BOTTOM TVD, FT	SPF	DATE PERFORATED	REF LOG	REF LOG DA
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

FIG.14F

 **WELLOGIX**

BID REQUEST SUMMARY
ALL PROJECTS LIST
PROFILE

PROJECTS
YR2000 TENSLEEP PROJ
PROJECT REQUEST
WELLS

DETAILS
HOLE SECTIONS

FIND A CONSULTANT
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LOGOUT

ALL PROJECTS LIST>YR2000 TENSLEEP PROJ>DS5-15>ONSHORE GEOLOGICAL PROGNOSIS

WELL NAME	DS5-15		
REGION/BASIN	ROCKIES-BIG HORN		
STATE/PROVINCE	WYOMING		
COUNTY	GILLETTE		
FIELD NAME	HAMILTON DOME		

REFERENCE DATUM (RD)	RKB <input type="button" value="v"/>		
RD ABOVE GL OR MUDLINE,FT	54 <input type="button" value="v"/>		
GROUND LEVEL (GL),FT	35 <input type="button" value="v"/>	SS	-54 <input type="button" value="v"/> TVD
MUDLINE,FT	<input type="text"/>	SS	<input type="text"/> TVD

BLOCK	<input type="text"/>
SURVEY	<input type="text"/>
ABSTRACT	<input type="text"/>

	FT	FT	SEC	TOWNSHIP	RANGE	@SS,FT	@TVD,FT
SURFACE HOLE LOCATION	3855 <input type="button" value="v"/> FSL <input type="button" value="v"/>	107 <input type="button" value="v"/> FEL <input type="button" value="v"/>	8	9 <input type="button" value="v"/> N <input type="button" value="v"/>	20 <input type="button" value="v"/> E <input type="button" value="v"/>	35	-54
GEOLOGICAL TARGET	187 <input type="button" value="v"/> FNL <input type="button" value="v"/>	1067 <input type="button" value="v"/> FEL <input type="button" value="v"/>	5	9 <input type="button" value="v"/> N <input type="button" value="v"/>	20 <input type="button" value="v"/> E <input type="button" value="v"/>	-9770	
BEGINNING OF HORIZONTAL SEC	<input type="text"/> <input type="button" value="v"/> FNL <input type="button" value="v"/>	<input type="text"/> <input type="button" value="v"/> FEL <input type="button" value="v"/>		<input type="text"/> <input type="button" value="v"/> N <input type="button" value="v"/>	<input type="text"/> <input type="button" value="v"/> E <input type="button" value="v"/>		
END OF HORIZONTAL SEC	<input type="text"/> <input type="button" value="v"/> FNL <input type="button" value="v"/>	<input type="text"/> <input type="button" value="v"/> FEL <input type="button" value="v"/>		<input type="text"/> <input type="button" value="v"/> N <input type="button" value="v"/>	<input type="text"/> <input type="button" value="v"/> E <input type="button" value="v"/>		
BOTTOM HOLE LOCATION	0 <input type="button" value="v"/> FNL <input type="button" value="v"/>	1284 <input type="button" value="v"/> FEL <input type="button" value="v"/>	5	9 <input type="button" value="v"/> N <input type="button" value="v"/>	20 <input type="button" value="v"/> E <input type="button" value="v"/>	-10645	

FIG.14G

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1500


 WELLOGIX PROFILE <input type="text"/> <input type="button" value="GO"/> SERVICES PROVIDED SEARCH REQUESTS REQUEST INBOX FIND A CONSULTANT GIVE US FEEDBACK LOGOUT	(REQUEST #4328) PRIMARY CEMENTING	
	REQUEST TYPE: CURRENT CONTRACT PRICING	
	REPLY BY:	
	REQUESTED BY: ROBERT T DE JONG	OFFICE PHONE: (303) 3003520-250
	TITLE:	FAX: UNKNOWN
	COMPANY NAME: COMPANY #1	E-MAIL: DEJONG@WELLBID.COM
	MAILING ADDRESS: 4155 E JEWELL AV SUITE 300 DENVER CO 80222	REGION & BASIN:
		CANADA-ALBERTA CANADA-BRITISH COLUMBIA CANADA-EASTERN CANADIAN OFFSHORE CANADA-FAR NORTH CANADA-SASKATCHEWAN GOM-APALACHICOLA GOM-GULF COAST SALT DOME GOM-RIO GRANDE EMBAYMENT GULF STATES-BLACK WARRIOR GULF STATES-CENTRAL TEXAS GULF STATES-EAST TEXAS GULF STATES-NORTH LOUISIANA GULF STATES-PERMIAN GULF STATES-SOUTH LOUISIANA GULF STATES-SOUTH TEXAS MID-CON-ANADARKO MID-CON-ARDMORE MID-CON-ARKOME MID-CON-DELHART MID-CON-HUGOTON MID-CON-KANSASNEBRASKA NORTHEASTERN-APPALACHIA NORTHEASTERN-ILLINOIS NORTHEASTERN-MICHIGAN PACIFIC-COOK INLET PACIFIC-SACRAMENTO PACIFIC-NORTH SLOPE PACIFIC-SAN JOAQUIN ROCKIES-BIG HORN
	PROJECT NAME: IPL PROJECT	
REGION & BASIN: ROCKIES-GREEN RIVER		
COUNTRY: USA		
WELL NAME: FEDERAL STATE 5-10-1		
WELL DESCRIPTION: DRILL AND COMPLETE A DAKOTA PRODUCER		
EST SPUD/START DATE: 01-NOV-2000		
WELL API NUMBER: 51-23-23598-60		
WELL TYPE: NEW		
REGION & BASIN: ROCKIES-BIG HORN		
COUNTRY: UNITED STATES		
STATE/PROVINCE: WYOMING		
COUNTY: EVANSTON, WYOMING		
FIELD: FEDERAL STATE FIELD		
BLOCK:		
SURVEY:		
ABSTRACT:		
SURFACE LOCATION: @3855' FNL, 107' FEL, SEC 8, T9, R20, 8500FT, UM		
WELL LOCATION IS: 56 MILES N		
OF (NEAREST/CITY): EVANSTON		
COMMENTS: IF YOU HAVE IDEAS ON HOW WE CAN DO AWAY WITH A 2 STAGE JOB, I WILL BE WILLING TO ENTERTAIN THEM		
CASING PROGRAM		

FIG.15A

COMMENTS IF YOU HAVE IDEAS ON HOW WE CAN DO AWAY WITH A 2 STAGE JOB, I WILL BE WILLING TO ENTERTAIN THEM										
CASING PROGRAM										
HOLE SECTION	HOLE DIAMETER, IN	CASING SIZE, IN	WEIGHT LB/M FT	GRADE	THREADS	TOP MD, FT	BOTTOM MD, FT	LENGTH MD, FT	TOP TVD, FT	BOTTOM TVD, FT
CONDUCTOR	24	20	91.1	H-40	WELD	37	116	79	37	116
SURFACE	12.25	9.625	40	L-80	BTC	35	5219	5184	35	4554
INTERMEDIATE	8.5	7	29	USS-95	BTC-MOD	33	12183	12150	33	9854
PRODUCTION	6	4.5	12.6	L-80	BTC-MOD	12033	13294	1261	9744	10729
HOLE SECTION: CONDUCTOR										
HOLE DIAMETER IN	TOP MD, FT	BOTTOM MD, FT	LENGTH MD, FT	TOP TVD, FT	BOTTOM TVD, FT	LENGTH TVD, FT	MUD TYPE	MAX MW, PPG		
24	37	116	79	37	116	79				
HOLE SECTION: SURFACE										
HOLE DIAMETER IN	TOP MD, FT	BOTTOM MD, FT	LENGTH MD, FT	TOP TVD, FT	BOTTOM TVD, FT	LENGTH TVD, FT	MUD TYPE	MAX MW, PPG		
12.25	116	5219	5103	116	4554	4438	SPUD MUD	9.8		
GEOLOGICAL ISSUES WITHIN HOLE SECTION										
H2S IN HOLE SECTION	CONCENTRATION, PPM		MIN DEPTH OF H2S MD, FT							
<input type="checkbox"/>										
PENETRATE SALT IN HOLE SECTION	TOP OF SALT SECTION MD, FT		THICKNESS OF SALT SECTION MD, FT		SALT SECTION FLOWING					
<input type="checkbox"/>					<input type="checkbox"/>					
GAS MIGRATION PROBLEMS EXPECTED	TOP OF GAS ZONE MD, FT		PRESSURE@DEPTH, PSI		DESIRED TECHNIQUE					
<input type="checkbox"/>										
MIN FRAC GRADIENT(1), PPG	DEPTH OF FRAC GRADIENT(1) MD, FT		MIN FRAC GRADIENT (2), PPG		DEPTH OF FRAC GRADIENT (2) MD, FT					
1ST STAGE										
NUMBER OF FLUSHES IN STAGE 1 1 NUMBER OF FLUSHES IN STAGE 1 1										
FLUSH/SPACERS	NAME	VOLUME, BBL	DENSITY, PPG							
PREFLUSH	FRESH WATER	300	8.3							
CEMENT SLURRY NO. 1	TAIL 1	TYPE		LIQUID						
TOP OF SLURRY MD, FT	BOTTOM OF SLURRY MD, FT	TOP OF SLURRY TVD, FT	BOTTOM OF SLURRY TVD, FT							
0	5219	0	4554							
OH EXCESS REQUIRED, %	CH EXCESS REQUIRED, %	MAX DENSITY, PPG	DESIRED FL, CC/38MINE	BHST, F	BHCT, F					
25	0	12.4	50	110						
12-HR COMP STRENGTH, PSI	24-HR COMP STRENGTH, PSI	ULT STRENGTH, PSI	EST THICKENING TIME, HR	TRANSITION TIME, MIN						
1500	2500	2600	4							
PUMPING REQUIREMENTS FOR THIS STAGE										
MAX SLURRY MIXING RATE, BPM	MAX SLURRY PUMPING RATE, BPM	MAX SLURRY DISPLACEMENT RATE, BPM								
25	25	25								

FIG.15B

MISCELLANEOUS EQUIPMENT/SERVICE NEEDS FOR HOLE SECTION

BATCH MIXER	<input checked="" type="checkbox"/>	SIZE	
STANDBY PUMPING EQUIPMENT	<input checked="" type="checkbox"/>	NO. OF UNITS	
COMPUTER MONITORING EQUIPMENT	<input checked="" type="checkbox"/>		
ADDITIVES IN LIQUID FORM	<input checked="" type="checkbox"/>		
SPECIAL PERSONNEL REQUIREMENTS			
NONE			

COMMENTS FOR THIS HOLE SECTION

HOLE SECTION:INTERMEDIATE 1

HOLE DIAMETER IN	TOP MD,FT	BOTTOM MD,FT	LENGTH MD,FT	TOP TVD,FT	BOTTOM TVD,FT	LENGTH TVD,FT	MUD TYPE	MAX MW, PPG
8.5	5219	12183	6964	4554	9854	5300	KCL POLYMER	10

HOLE SECTION:PRODUCTION

HOLE DIAMETER IN	TOP MD,FT	BOTTOM MD,FT	LENGTH MD,FT	TOP TVD,FT	BOTTOM TVD,FT	LENGTH TVD,FT	MUD TYPE	MAX MW, PPG
6	12183	13294	1111	9854	10729	875	KCL POLYMER	12.4

CATEGORY

ATTACHMENTS: FILE ATTACHMENTS:
THERE ARE NO 200000105 TIME VS DEPTH
ATTACHMENTS. CURVE.XIS(17.00KB)

☐ INTERESTED ☐ NOT INTERESTED ☐ SUBMIT BID/PROPOSAL

MISCELLANEOUS EQUIPMENT/SERVICE NEEDS FOR HOLE SECTION

BATCH MIXER	<input checked="" type="checkbox"/>	SIZE	
STANDBY PUMPING EQUIPMENT	<input checked="" type="checkbox"/>	NO. OF UNITS	
COMPUTER MONITORING EQUIPMENT	<input checked="" type="checkbox"/>		
ADDITIVES IN LIQUID FORM	<input checked="" type="checkbox"/>		
SPECIAL PERSONNEL REQUIREMENTS			
NONE			

COMMENTS FOR THIS HOLE SECTION

HOLE SECTION:INTERMEDIATE 1

HOLE DIAMETER IN	TOP MD,FT	BOTTOM MD,FT	LENGTH MD,FT	TOP TVD,FT	BOTTOM TVD,FT	LENGTH TVD,FT	MUD TYPE	MAX MW, PPG
8.5	5219	12183	6964	4554	9854	5300	KCL POLYMER	10

HOLE SECTION:PRODUCTION

HOLE DIAMETER IN	TOP MD,FT	BOTTOM MD,FT	LENGTH MD,FT	TOP TVD,FT	BOTTOM TVD,FT	LENGTH TVD,FT	MUD TYPE	MAX MW, PPG
6	12183	13294	1111	9854	10729	875	KCL POLYMER	12.4

CATEGORY

ATTACHMENTS: FILE ATTACHMENTS:
THERE ARE NO 200000105 TIME VS DEPTH
ATTACHMENTS. CURVE.XIS(17.00KB)

☐ INTERESTED ☐ NOT INTERESTED ☐ SUBMIT BID/PROPOSAL

FIG.15C

HOLE SECTION: INTERMEDIATE 1								
HOLE DIAMETER IN	TOP MD, FT	BOTTOM MD, FT	LENGTH MD, FT	TOP TVD, FT	BOTTOM TVD, FT	LENGTH TVD, FT	MUD TYPE	MAX MW, PPG
8.5	5219	12183	6964	4554	9854	5300	KCL POLYMER	10

HOLE SECTION: PRODUCTION								
HOLE DIAMETER IN	TOP MD, FT	BOTTOM MD, FT	LENGTH MD, FT	TOP TVD, FT	BOTTOM TVD, FT	LENGTH TVD, FT	MUD TYPE	MAX MW, PPG
6	12183	13294	1111	9854	10729	875	KCL POLYMER	12.4

CATEGORY
 ATTACHMENTS: THERE ARE NO ATTACHMENTS.
 FILE ATTACHMENTS:
 200000105 TIME VS DEPTH
 CURVE.XIS(17.00KB)

1502 1508


1506 1504

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FIG. 15D

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1510

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(REQUEST #4328)-PRIMARY CEMENTING
BID PRICING

PROFILE

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CURRENCY TYPE	US DOLLARS
MOBILIZATION	0
SETUP	0
THIRD PART COST, ETC.	0
SERVICES AS REQUESTED	0
TOTAL	0
OFFER GOOD UNTIL	(E.G. 01-JUL-2000)
TERMS	
REQUEST FOR	CURRENT CONTRACT PRICING

COMMENTS

IN ORDER TO VIEW DETAILED BID PRICING, PLEASE SAVE THIS PAGE FIRST

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FIG.15E

 **WELLOGIX**

(REQUEST #4328)-PRIMARY CEMENTING
BID PRICING

PROFILE

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CURRENCY TYPE	US DOLLARS
MOBILIZATION, \$	5000
SETUP, \$	2000
THIRD PARTY COST, ETC., \$	2000
SERVICES AS REQUESTED, \$	35000
TOTAL, \$	44000
OFFER GOOD UNTIL	01-OCT-2000 (E.G. 01-JUL-2000)
TERMS	30 DAYS NET
REQUEST FOR	CURRENT CONTRACT PRICING

COMMENTS
 NONE


[VIEW DETAILED BID PRICING](#)

ATTACHMENTS
 ATTACH A FILE:

FIG.15F

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1516



PROFILE

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PRIMARY CEMENTING-COMMERCIAL RESPONSE								
HOLE SECTION: SURFACE								
HOLE DIAMETER, IN	TOP MD, FT	BOTTOM MD, FT	LENGTH MD, FT	TOP TVD, FT	BOTTOM TVD, FT	LENGTH TVD, FT	MUD TYPE	MAX MW, PPG
12.25	116	5219	5103	116	4554	4438	SPUD MUD	9.8

RELEVANT CASING PROGRAM										
HOLE SECTION	HOLE DIAMETER, IN	CASING SIZE, IN	WEIGHT LB/M FT	GRADE	THREADS	TOP MD, FT	BOTTOM MD, FT	LENGTH MD, FT	TOP TVD, FT	BOTTOM TVD, FT
CONDUCTOR	24	20	91.1	H-40	WELD	37	116	79	37	116
SURFACE	12.25	9.625	40	L-80	BTC	35	5219	5184	35	4554

GEOLOGICAL ISSUES WITHIN HOLE SECTION			
H2S IN HOLE SECTION	CONCENTRATION, PPM	MIN DEPTH OF H2S MD, FT	
<input type="checkbox"/>			
PENETRATE SALT IN HOLE SECTION	TOP OF SALT SECTION MD, FT	THICKNESS OF SALT SECTION MD, FT	SALT SECTION FLOWING
<input type="checkbox"/>			<input type="checkbox"/>
GAS MIGRATION PROBLEMS EXPECTED	TOP OF GAS ZONE MD, FT	PRESSURE@DEPTH, PSI	DESIRED TECHNIQUE
<input type="checkbox"/>			
MIN FRAC GRADIENT(1), PPG	DEPTH OF FRAC GRADIENT(1), MD, FT	MIN FRAC GRADIENT (2), PPG	DEPTH OF FRAC GRADIENT (2) MD, FT

1ST STAGE

FLUSH/SPACERS	NAME	VOLUME, BBL	DENSITY, PPG
PREFLUSH	FRESH WATER	300	8.3

FLUSH COMMENTS

CEMENT SLURRY NO.1	TAIL 1	TYPE	LIQUID
RECIPE DESCRIPTION			
TOP OF SLURRY MD, FT	BOTTOM OF SLURRY MD, FT	VOLUME, BBL	
0	5219		
MAX DENSITY, PPG	DESIRED FL, CC/38MINS	TRANSITION TIME, MIN	
12.4	50		
EST THICKENING TIME, HR	BHST, F	8HCT, F	
4	110		

STAGE 1 COMMENTS

FIG.15G

TOTAL FLUSH/SPACER COST, \$	<input type="text"/>
TOTAL FLUSH/SPACER VOLUME, BBL	<input type="text" value="300"/>
TOTAL FLUSH/SPACER UNIT COST, \$/BBL	<input type="text"/>
TOTAL SLURRIES COST, \$	<input type="text"/>
TOTAL SLURRIES VOLUME, BBL	<input type="text" value="0"/>
TOTAL SLURRIES UNIT COST, \$/BBL	<input type="text"/>
PUMPING & MIXING EQUIPMENT COST, \$	<input type="text"/>
TECH SUPPORT COST, \$	<input type="text"/>
TECH MONITORING COST, \$	<input type="text"/>
TRANSPORTATION COST, \$	<input type="text"/>
HANDLING COST, \$	<input type="text"/>
OTHER, \$	<input type="text"/>
ESTIMATED JOB HOURS	<input type="text"/>
STAND BY HOURLY RATE, \$/HR	<input type="text"/>
PUMPING & MIXING EQUIPMENT COST, \$	<input type="text"/>
TECH SUPPORT COST, \$	<input type="text"/>
TECH MONITORING COST, \$	<input type="text"/>
TRANSPORTATION COST, \$	<input type="text"/>
HANDLING COST, \$	<input type="text"/>
OTHER, \$	<input type="text"/>
ESTIMATED JOB HOURS	<input type="text"/>
STAND BY HOURLY RATE, \$/HR	<input type="text"/>
TOTAL HOLE SECTION COST, \$	<input type="text"/>
TOTAL VOLUME (SLURRIES ONLY), BBL	<input type="text" value="0"/>
TOTAL HOLE SECTION UNIT COST, \$/BBL	<input type="text"/>

STATUS **NOT YET SAVED**

SAVE DRAFT **SAVE FINAL** **RESET**


GO TO BASIC BID PRICING

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FIG.15H

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REQUEST MANAGER

STATUS	SUBMITTED
BID REQUEST	PRIMARY CEMENTING
REQUEST FOR	CURRENT CONTRACT PRICING
DUE DATE	
COMMENTS	IF YOU HAVE IDEAS ON HOW WE CAN DO AWAY WITH A 2 STAGE JOB, I WILL BE WILLING TO ENTERTAIN THEM.
FILE ATTACHMENTS	20000105 TIME VS DEPTH CURVE.XIS(17.00KB)


LIST OF DETAILS:

DETAIL NO	PRIMARY CEMENTING
SURFACE	FINAL

REQUEST STATUS:

VENDOR	INTERESTED	FEEDBACK	RESPONSE	EFIELD-TICKETS
ROBERT DE JONG(VENDOR)	PRICING SUBMITTED	NO	21-SEP-2000 13:19	

FIG.16A

 **WELLOGIX**

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[PROJECTS](#)

[PROJECT REQUEST](#)
[WELLS](#)

[DETAILS](#)
[HOLE SECTIONS](#)

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[GIVE US FEEDBACK](#)
[LOGOUT](#)

(REQUEST #4328)-PRIMARY CEMENTING
 FROM ROBERT DE JONG(VENDER)
 BID PRICING

CURRENCY TYPE	US DOLLARS
MOBILIZATION,\$	5000
SETUP,\$	2000
THIRD PARTY COST,ETC.,\$	2000
SERVICES AS REQUESTED,\$	35000
TOTAL,\$	44000
OFFER GOOD UNTIL	01-OCT-2000
TERMS	30 DAYS NET
REQUEST FOR	CURRENT CONTRACT PRICING

NONE

NO FILES ATTACHED

1602

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FIG.16B

Fig. 16C

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1620

Stimulation Detailed Feedback - Welllogix Appl...

http://192.168.100.105/Storyboards/service_providers/provide_detail2.html

Live Home Page Apple Computer Apple Support Apple Store Microsoft MacTopic MSN Office for Macintosh Internet Explorer

Simulation Request > Detailed Feedback

Application Home MyWelllogix NEW! Logout

	Original	Feedback	Link to Product Info?
Required Simulation Program	Acid Job	Hydraulic Fracturing	http://www.oilprod.com
No. of Stages Required	2	1 1622	
Purpose of Stimulation Well Comments?	Well is completed to produce from the "B" sands. The "B" reservoir is a tight rock formation. As a result, the well needs to be stimulated. Successful stimulation jobs for this area have typically included the following operations: Acid/Perf Breakdown/Flowback Hydraulic Fracturing		
Comments	This well was recently drilled and completed; the well is already perfed, but needs an acid/perf breakdown job followed by a two stage frac job.		

Internet zone

Fig. 16D

1630

Intersection - Cementing Comparison Pricing Detail

File Edit View Insert Format Records Tools Window Help

Company Name Project no: 521 Rev no: DynaMap Rev: RFQ Response Due: 1632b Latest Cementing Technology 1632c

Well Location: Field: 1632a

Multiple Responses: Display New Selections: Primary Primary Primary

Hole Section	Provider 1	Provider 2	Provider 3
Conductor	2,937.65	1,372.95	2,074.09
Surface	8,867.02	6,930.30	11,396.37
Intermediate	8,292.88	7,525.11	10,061.91
Production Casing	9,810.43	8,605.31	9,199.77
Total	29,908.18	24,334.71	32,731.74

Hole Section	Pricing Category	Provider 1	Provider 2	Provider 3
Production Casing	Per Pumping	\$0.00	\$0.00	\$0.00
Production Casing	Standby Pump	\$0.00	\$0.00	\$0.00
Production Casing	Batch Mix Equipment	\$0.00	\$0.00	\$0.00
Production Casing	Stage Charge	\$0.00	\$0.00	\$0.00
Production Casing	Mileage Charged	\$0.00	\$0.00	\$0.00
Production Casing	Trans/Travel Equipment	\$0.00	\$0.00	\$0.00
Production Casing	Trans/Travel Material	\$0.00	\$0.00	\$0.00

1636 1634

Form View Start [Icons] Alert Inbox Mailbox Story References Logon Come 9:19 AM

Fig. 16E

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1640

Stimulation Detailed Feedback - Welllogix Application - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History

Address http://192.168.100.105/storyboards/service_providers/split_page.html

Stimulation Request > Detailed Feedback

Application Home M.Welllogix™ NEW Logout

Original	1642a	1642b
Required Stimulation Program	Acid Job	Hydraulic Fracturing
No. of Stages Required	2	1
Purpose of Stimulation	Well is completed to produce from the "B" sands. The "B" reservoir is a tight rock formation. As a result, the well needs to be stimulated.	Acid/Perf Breakdown
Well Comments	Successful stimulation jobs for this area have typically included the following operations	
	Acid/Perf Breakdown/Flowback	

Start America Carroll Marketing Storyboard Microsoft Stimula 10:19 AM

Fig. 16F

1640 cont.

Stimulation Detailed Feedback - Welllogix Application - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History

Address http://192.168.100.105/storyboards/service_providers/split_page.html

Desired Fluid Type	HCL	1646a	1646b
Desired Concentration	7		
Surfactant Required	No	No	No
Non-Emulsifier Required	No	No	No
Ion Content Required	Yes	No	Yes
Inhibition Duration, Hr	2	3	2
Inhibition Temperature, Deg F	180	165	175
Diameter of Balls, in	25	3	25
Density of Balls, SG	1.2	1.1	1.2
Number of Balls Required	250	270	250
Ball Type	Rubber	Rubber	Rubber
Selective Interjection	Yes	No	No

Start America Carroll Marketing Storyboard Microsoft Stimula 10:19 AM

Fig. 16G

43/56

1650

Request Package Manager - Welllogix Application - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://192.168.100.105/storyboards/projects/request_pkg_mgr.html

Request Package Manager

Application Home MyWelllogix™ NEW Logout

Edit Cover Info Preview Request Package Evaluation Generated Request Packages

Cover Info:

Status	MODIFIED
Service Type	Stimulation
Request for	Proposal
Due Date	14-AUG-2000
Comments	
File Attachments	No Files Attached

Attachment selections:

Casing Summary ☒

Tubing Summary ☐

Wellhead Summary ☒

Save Selections

Service Requests:

Detail No	Simulation	
250	Final	This well was recently drilled and completed, the well is already perfed, but needs an acid/perf breakdown job followed by a two stage frac job. This well has not been completed with tubing.

Request Status:

Service Provider	Interested	Feedback	Response	Field Tickets™	Reconciliation™
Christian Camp (Welllogix Service Provider - Prod)	Job Awarded	Yes	02-JAN-2001 08:39	View	View
Christian Camp (Welllogix Service Provider - Prod)	Job Awarded	Altimate	02-JAN-2001 08:39	View	View
John Doe (Welllogix Service Provider - Prod)	Job Awarded	Yes	02-JAN-2001 08:39	View	View
James Smith (Welllogix Service Provider - Prod)	Job Awarded	Yes	02-JAN-2001 08:39	View	View

1654

Start America Carroll, C. Marketing Storybo Microsoft Request 10:17 AM

Fig. 16H

1654

Stimulation Detailed Feedback - Welllogix Application - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://192.168.100.105/storyboards/service_providers/split_page.html

Stimulation Request - Detailed Feedback

Application Home MyWelllogix™ NEW Logout

1658

1656a

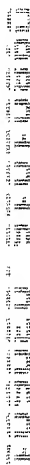
1656b

Original	Acid Job	Hydraulic Fracturing	Link to Product Feedback
Required Simulation Program	Acid Job	Hydraulic Fracturing	Acid/Perf Breakdown
No. of Stages Required	2	1	1
Well is completed to produce from the "B" sands. The "B" reservoir is a tight rock formation. As a result, the well needs to be stimulated.			
Purpose of Stimulation Well Comments	Successful stimulation jobs for this area have typically included the following operations. Acid/Perf Breakdown/Flowback		

Done

Start America Carroll, C. Marketing Storybo Microsoft Stimula 10:19 AM

44/56



1660

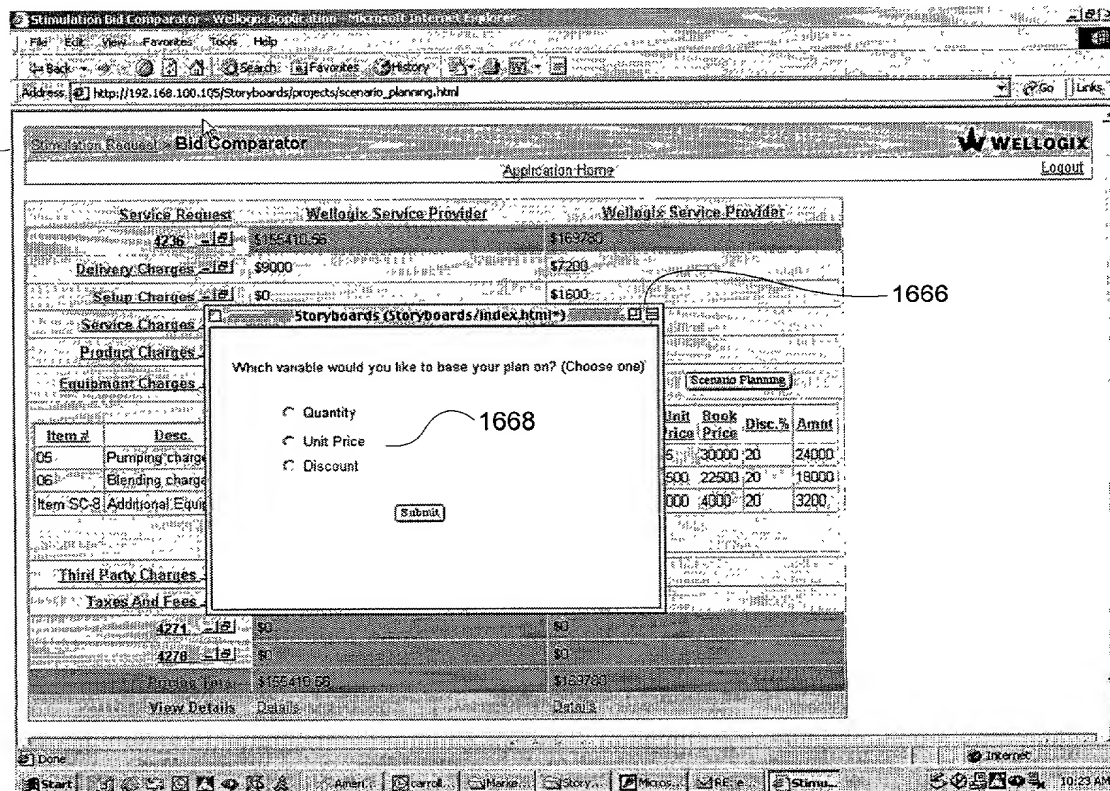


Fig. 16K

1660

Stimulation Bid Comparison - Welllogix Application - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://192.168.100.105/Storyboards/projects/scenario_planning.html

Simulation Request > Bid Comparator

Application Home Logout

Service Request: Welllogix Service Provider Welllogix Service Provider

4236 - \$165410.55 \$169780

Delivery Charges \$9000 \$7200

Setup Charges \$0 \$1600

Service Charges

Product Charges

Equipment Charges

Item # Desc.

05 Pumping charge

06 Blending charge

Item SC-8 Additional Equip

Third Party Charges

Taxes And Fees

4271 \$0 \$0

4278 \$0 \$0

Subtotal Total \$165410.55 \$169780

View Details Details Details

1666

Which variable would you like to base your plan on? (Choose one)

Quantity Change to 10

Unit Price

Discount

1670

Scenario Planning

Unit	Book Price	Disc. %	Amnt
5	30000	20	24000
600	22500	20	18000
100	4000	20	3200

10:23 AM

Fig. 16L

1660

Stimulation Bid Comparison - Welllogix Application - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://192.168.100.105/Storyboards/projects/evaluator_calc.html

Simulation Request > Bid Comparator

Application Home Logout

Service Request: Welllogix Service Provider Welllogix Service Provider

4236 - \$165410.55 \$169780

Delivery Charges \$9000 \$7200

Setup Charges \$0 \$1600

Service Charges \$16000 \$22500

Product Charges \$78470.55 \$83480

Equipment Charges \$42900 \$50000

Item # Desc.

05 Pumping charges

06 Blending charges

Item SC-8 Additional Equipment

Third Party Charges \$0 \$0

Taxes And Fees \$9940 \$10000

4271 \$0 \$0

4278 \$0 \$0

Subtotal Total \$165410.55 \$174780

View Details Details Details

1672a

1672b

Qty.	Units of Measure	Unit Price	Book Price	Disc. %	Amnt
2000	EACH	15	30000	20	24000
15	EACH	1500	22500	20	18000
10	DAY	1000	10000	20	8000

10:24 AM



WELLOGIX

ALL PROJECTS LIST>YR2000 TENSLEEP PROJ>ALL WELLS BY SPUD/START DATE-
CALENDAR

PROJECT NAME:YR2000 TENSLEEP PROJ

VIEW THIS PROJECT-LEVEL BID REQUESTS CALENDAR [01]

AUGUST 2000

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		01 >DS5-15 >DS5-1	02	03	04	05
06	07	08	09	10	11	12
13	14	15 >ST 384 #1-1	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

SEPTEMBER 2000

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					01 >DS5-16	02
03	04	05	06	07	08	09
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

OCTOBER 2000

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
01 >DS5-17 >DS5-17-1	02	03	04	05	06	07
08	09	10	11	12	13	14
15	16	17	18	19	20	21

FIG.17A



WELLOGIX

ALL PROJECTS LIST > YR2000 TENSLEEP PROJ > ALL BID REQUESTS BY DUE DATE-
CALENDAR

[BID REQUEST SUMMARY](#)[ALL PROJECTS LIST](#)[PROFILE](#)

[PROJECTS](#)

[PROJECT REQUEST](#)[WELLS](#)

[FIND A CONSULTANT](#)[GIVE US FEEDBACK](#)[LOGOUT](#)

PROJECT NAME: YR2000 TENSLEEP PROJ

VIEW PROJECT'S WELLS BY SPUD/START DATE

JULY 2000

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						01
02	03	04	05	06	07	08
09	10	11	12	13	14	15 >CASING(1 SUBMITTED, 1 RESPONDED)
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

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FIG.17B

1800

WELLBID, INC-MICROSOFT INTERNET EXPLORER

FILE EDIT VIEW FAVORITES TOOLS HELP

BACK FORWARD STOP SEARCH FAVORITES HISTORY

ADDRESS http://www1.wellbid.com/pub/wellbid/custom_process_center.userlogin

20-SEP-2000

WELCOME TO WELLBID, JOHN DOE(WELLBID VENDOR SERVICES)

REQUEST IN-BOX

3 NEW BIDS AVAILABLE 43 BIDS TOTAL ROWS FROM 1 TO 25

ALL

WELLOGIX

PROFILE

SERVICES PROVIDED

SEARCH REQUESTS

REQUEST INBOX

FIND A CONSULTANT

GIVE US FEEDBACK

LOGOUT

INTERESTED	FEEDBACK SUBMITTED	STATUS	BID REQUESTOR	BID REQ ID	API #	DATE	DUE DATE	BID REQUEST TYPE	REGION & BASIN	DELETE
YES	YES	OPEN	WELLBID BUYER SERVICES JOHN SMITH	3725		26-APR-2000	31-MAY-2000	CASING	ROCKIES-BIG HORN	<input type="checkbox"/>
YES**	YES	OPEN	WELLBID BUYER SERVICES JOHN SMITH	3726		26-APR-2000	31-MAY-2000	CASING	ROCKIES-BIG HORN	<input type="checkbox"/>
YES**	YES	OPEN	WELLBID BUYER SERVICES JOHN SMITH	3727		26-APR-2000	15-MAY-2000	DRILLING FLUIDS	ROCKIES-BIG HORN	<input type="checkbox"/>
YES	YES	OPEN	WELLBID BUYER SERVICES JOHN SMITH	3728		26-APR-2000	15-JUN-2000	CEMENTING	ROCKIES-BIG HORN	<input type="checkbox"/>
YES**	YES	OPEN	WELLBID BUYER SERVICES JOHN SMITH	3729		26-APR-2000	01-JUN-2000	CASING ACCESSORIES	ROCKIES-BIG HORN	<input type="checkbox"/>
YES**	YES	OPEN	WELLBID BUYER SERVICES JOHN SMITH	3730		26-APR-2000	05-MAY-2000	DRILL BITS	ROCKIES-BIG HORN	<input type="checkbox"/>

WELLBID, INC-MICROSOFT INTERNET EXPLORER

START WELLBID.COM-MICROS... WELLBID PRINTS DOC-MICROS...

11:20 PM

FIG.18

(Request #4136) Primary Cementing

Request Type:	Bid
Reply By:	01-SEP-00

1900

Requested By:	Robert T de Jong	Office Phone:	(303) 3003520-250
Title:		Fax:	unknown
Company Name:	company#1	E-Mail:	dejong@wetlibd.com
Mailing Address:	4155 E Jewell Av Suite 300 Denver CO 80222	Region & Basin:	Canada - Alberta Canada - British Columbia Canada - Eastern Canadian Offshore Canada - Far North Canada - Saskatchewan GOM - Apalachicola GOM - Gulf Coast Salt Dome GOM - Rio Grande Embayment Gulf States - Black Warrior Gulf States - Central Texas Gulf States - East Texas Gulf States - North Louisiana Gulf States - Permian Gulf States - South Louisiana Gulf States - South Texas Mid-Con - Anadarko Mid-Con - Ardmore Mid-Con - Arkoma Mid-Con - Dalhart Mid-Con - Hugoton Mid-Con - Kansas/Nebraska Northeastern - Appalachia Northeastern - Illinois Northeastern - Michigan Pacific - Cook Inlet Pacific - Sacramento Pacific - North Slope Pacific - San Joaquin Rockies - Big Horn Rockies - Denver - Julesburg Rockies - Green River Rockies - Paradox Rockies - Pecos Rockies - Powder River Rockies - Raton Rockies - San Juan Rockies - Uinta Rockies - Williston

Project Name:	CKH Test II
Region & Basin:	Rockies - Big Horn
Country:	USA

Well Name:	DS18-17
Well Description:	Test as of 8-13-00
Est Spud/Start Date:	01-SEP-2000
Well API Number:	
Well Type:	NEW
Region & Basin:	Rockies - Big Horn
Country:	United States
State/Province:	Wyoming
County:	Gilletts
Field:	Bull Field
Block:	
Survey:	

~ 1902

Fig. 19A

Pumping Requirements for this Stage		
Max Slurry Mixing Rate, bpm	Max Slurry Pumping Rate, bpm	Max Slurry Displacement Rate, bpm

Miscellaneous Equipment/Service Needs for Hole Section	
Batch Mixer	<input type="checkbox"/>
Standby Pumping Equipment	<input type="checkbox"/>
Computer Monitoring Equipment	<input type="checkbox"/>
Additives in Liquid Form	<input type="checkbox"/>
Special Personnel Requirements <input type="checkbox"/>	

~ 1904

Comments for this Hole Section

Category Attachments:
There are no attachments.

File Attachments:
No File Attached

~ 1906

INTERESTED	NOT INTERESTED	SUBMIT BID PROPOSAL	VIEW eFIELD TICKET™
------------	----------------	---------------------	---------------------

Submit Bid Feedback	
<input type="button" value="OK"/> <input type="button" value="Cancel"/> <input type="button" value="Submit"/>	

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FIG 19B

Primary Cementing – eField-Tickets™

Hole Section	Total Cost w/ 3rd Party Incl, \$	Vender Status	Operator Status
Hole Section: Surface	16500.00	SUBMITTED	APPROVED
Hole Section: Production	0.00		
Hole Section: Conductor	0.00		

Create eField-Ticket™

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Patent Pending
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-1408

1910

FIG 19C

1912 →

Primary Cementing -- eField-Ticket™

Well Name	DS18-17	Accounting System Project #
Field Name	Bull Field	Project Mgt. System #
Project Name	CKH Test II	GL Account #
State/Province	Wyoming	Rtg Name/No.
County/Parish	Gillette	Field Supv Name
Legal Location	1000' FNL, 500' FEL, Sec38, T45N, R101E, 6500 ft	Office Rep Name

Fig 19D

10/1/24

Hole Section	Hole Section: Intermediate 1	Currency Type	US Dollars
--------------	------------------------------	---------------	------------

Job Summary

	Date (m.g. 01-JAN-2000)	Time (e.g. 13:31)
Arrive Location		
Job Start		
Job Completion		
Leave Location		

1916

Service Charges

[illegible]

8161-1918

~1920

✓ 1922

Expected Associated 3rd Party Charges		
Vendor	Description	Estimated Cost, \$

(If additional lines are needed, save this page first)			Total 3rd Party Cost, \$

128 ~ 1926

Comments for Operator

130

Field Service Rep Name	
Date Of Submittal To Operator	
<input type="button" value="SAVE AND SUBMIT TO OPERATOR"/> <input type="button" value="RESET"/>	

1932 ~ 1934

Comments For Vendor
OPERATOR INTERVIEW COMMENTS

Operator Rep	
Date Of Approval	

1927

Sales Tax, \$	
Total Cost w/ 3rd Party Incl, \$	

FIG 19F

Fig. 20

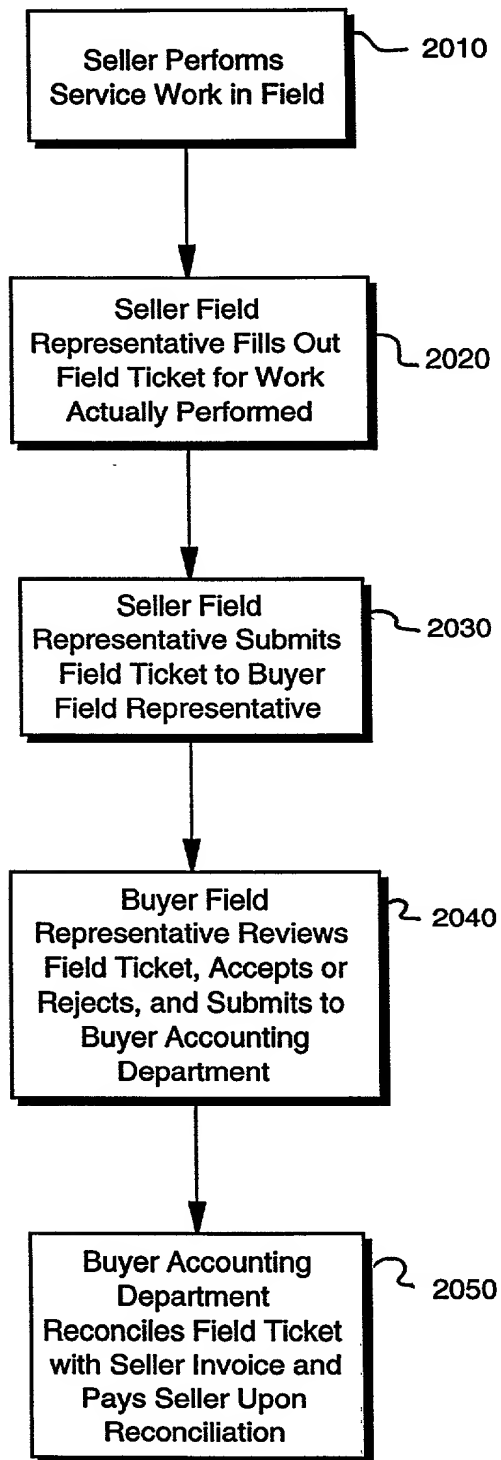


FIG. 21

